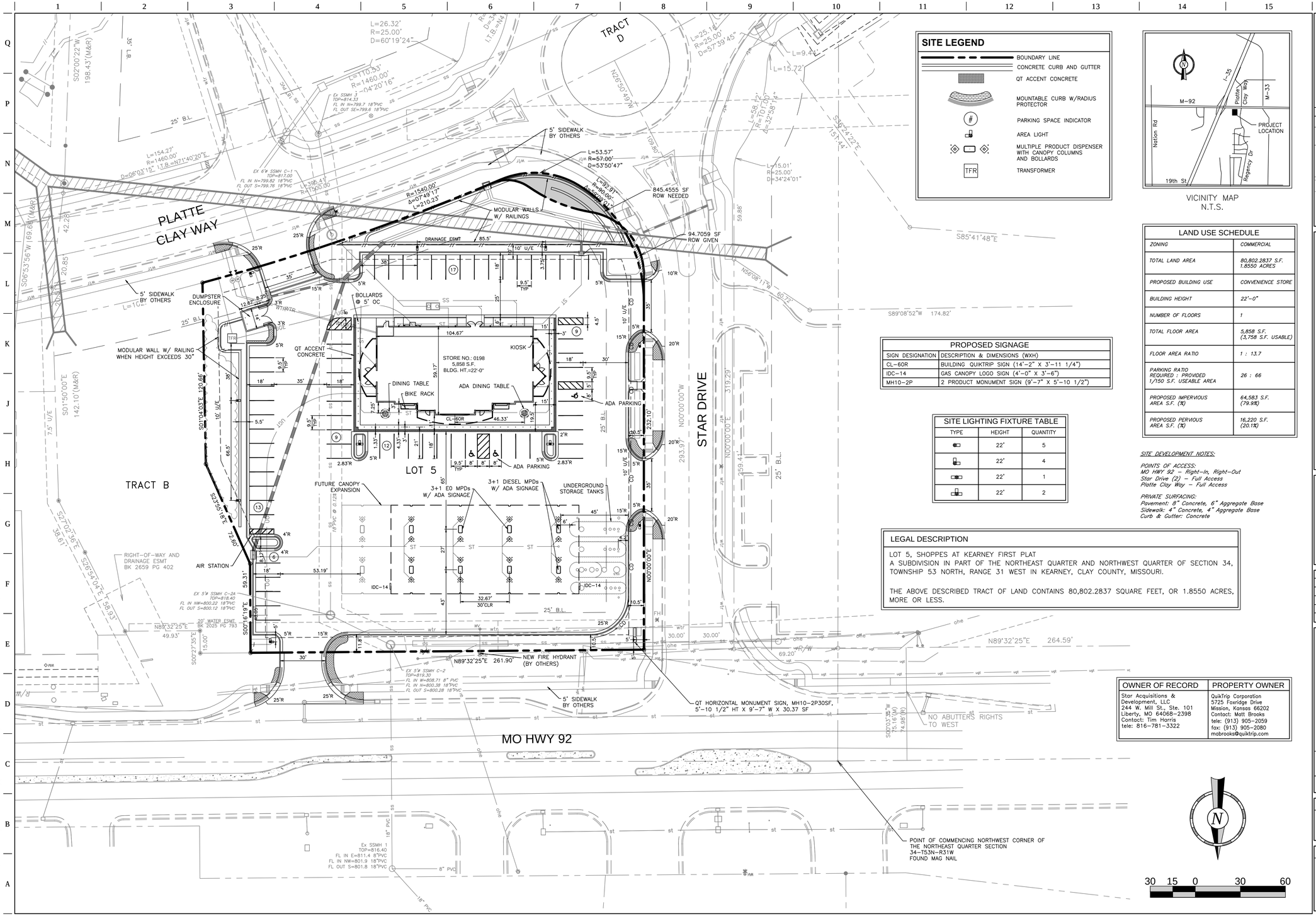


SITE LEGEND

- BOUNDARY LINE
- CONCRETE CURB AND GUTTER
- QT ACCENT CONCRETE
- MOUNTABLE CURB W/RADIUS PROTECTOR
- PARKING SPACE INDICATOR
- AREA LIGHT
- MULTIPLE PRODUCT DISPENSER WITH CANOPY COLUMNS AND BOLLARDS
- TFR — TRANSFORMER

VICINITY MAP
N.T.S.

PROPOSED SIGNAGE

SIGN DESIGNATION	DESCRIPTION & DIMENSIONS (WXH)
CL-60R	BUILDING QUIKTRIP SIGN (14'-2" X 3'-11 1/4")
IDC-14	GAS CANOPY LOGO SIGN (4'-0" X 3'-6")
MH10-2P	2 PRODUCT MONUMENT SIGN (9'-7" X 5'-10 1/2")

LAND USE SCHEDULE

ZONING	COMMERCIAL
TOTAL LAND AREA	80,802.2837 S.F. 1.8550 ACRES
PROPOSED BUILDING USE	CONVENIENCE STORE
BUILDING HEIGHT	22'-0"
NUMBER OF FLOORS	1
TOTAL FLOOR AREA	5,858 S.F. (3,758 S.F. USABLE)
FLOOR AREA RATIO	1 : 13.7
PARKING RATIO REQUIRED : PROVIDED 1/150 S.F. USEABLE AREA	26 : 66
PROPOSED IMPERVIOUS AREA S.F. (%)	64,583 S.F. (79.9%)
PROPOSED PERVIOUS AREA S.F. (%)	16,220 S.F. (20.1%)

SITE LIGHTING FIXTURE TABLE

TYPE	HEIGHT	QUANTITY
	22'	5
	22'	4
	22'	1
	22'	2

SITE DEVELOPMENT NOTES:

POINTS OF ACCESS:
MO HWY 92 – Right-In, Right-Out
Star Drive (2) – Full Access
Platte Clay Way – Full Access

PRIVATE SURFACING:
Pavement: 8" Concrete, 6" Aggregate Base
Sidewalk: 4" Concrete, 4" Aggregate Base
Curb & Gutter: Concrete

LEGAL DESCRIPTION

LOT 5, SHOPPES AT KEARNEY FIRST PLAT
A SUBDIVISION IN PART OF THE NORTHEAST QUARTER AND NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 53 NORTH, RANGE 31 WEST IN KEARNEY, CLAY COUNTY, MISSOURI.

THE ABOVE DESCRIBED TRACT OF LAND CONTAINS 80,802.2837 SQUARE FEET, OR 1.8550 ACRES, MORE OR LESS.

OWNER OF RECORD	PROPERTY OWNER
Star Acquisitions & Development, LLC 244 W. Mill St., Ste. 101 Liberty, MO 64068-2398 Contact: Tim Harris tele: 816-781-3322	QuikTrip Corporation 5725 Foxridge Drive Mission, Kansas 66202 Contact: Matt Brooks tele: (913) 905-2059 fax: (913) 905-2080 mabrooks@quiktrip.com

PROJECT NO.: QT0198

DARLA K HOLMAN, PE

HOLMAN ENGINEERING
14005 W 72ND TERR
SHAWNEE, KS 66216
P 913.248.9385
F 913.962.5974
dkholmanpe@everestkc.net

QuikTrip No. 0198

Missouri Route 92 & Star Drive
Kearney, Missouri

© COPYRIGHT QUIKTRIP CORPORATION 2011
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-76 (8/01/13)
DIVISION: 02
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: DKH
REVIEWED BY: DKC

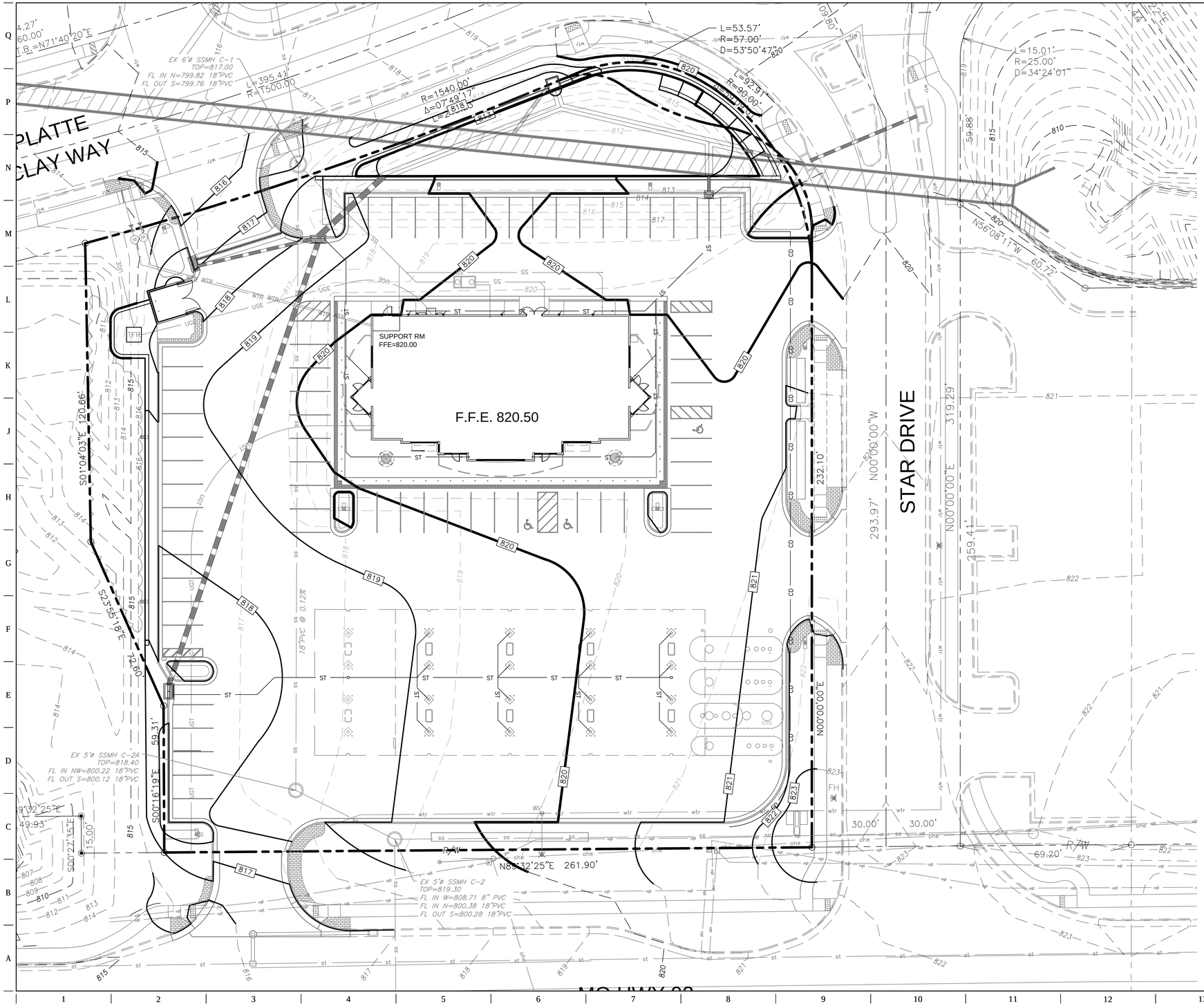
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 09/12/2013

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C100

FILE LOCATION:C:\Civil 3D Projects\QT198\dwg\02-0198 Civil.dwg TAB NAME:Site PDP USER:cowner SAVED:9/12/2013 8:52 AM PLOTTED:9/12/2013 9:29 AM



GRADING LEGEND

ST	STORM PIPE (< 10" NEW)
	STORM PIPE (> 12" NEW)
	STORM PIPE (> 12" EXISTING)
CD	BACK OF CURB DRAIN
XXXX	MAJOR CONTOUR (NEW)
XXXX	MINOR CONTOUR (NEW)
XXX	MAJOR CONTOUR (EXISTING)
XXX	MINOR CONTOUR (EXISTING)
	LIMITS OF DISTURBANCE
	STORM GRATE (NEW)

BENCHMARKS

CP #59 LOCATED WITHIN THE RIGHT-OF-WAY AT THE NORTHEAST CORNER OF THE INTERSECTION OF INTERSTATE 35 RAMP AND ROUTE 92.

NORTHING: 1165850.12
EASTING: 2825428.48
ELEVATION: 828.08

PROJECT NO.: QT0198

DARLA K HOLMAN, PE

HOLMAN ENGINEERING
14005 W 72ND TERR
SHAWNEE, KS 66216
P 913.248.9385
F 913.962.5974
dkholmanpe@everestkc.net

QuikTrip No. 0198

Missouri Route 92 & Star Drive
Kearney, Missouri

© COPYRIGHT QUIKTRIP CORPORATION 2011
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-76 (8/01/13)
DIVISION: 02
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: DKH
REVIEWED BY: DKC

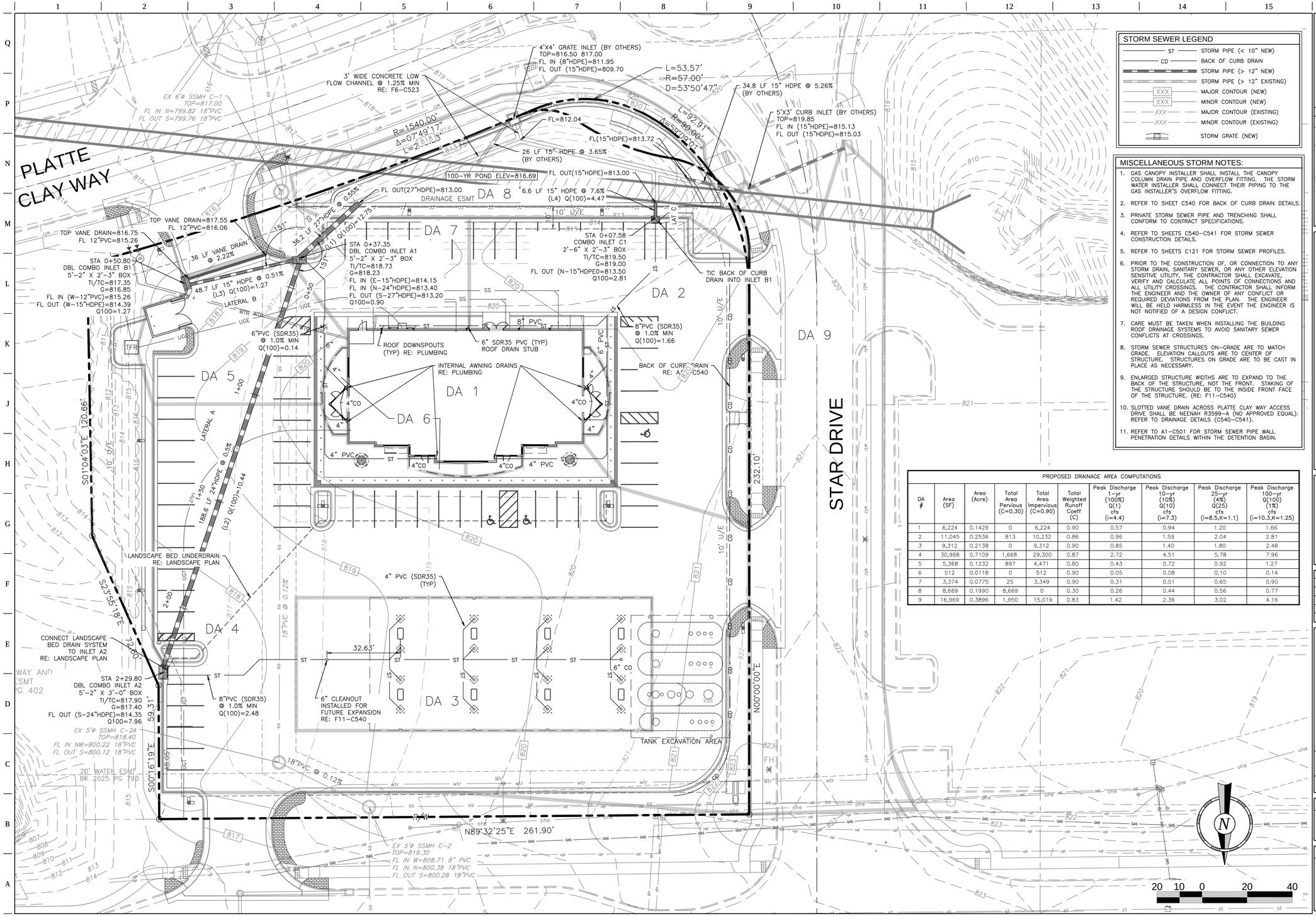
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 09/12/2013

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C110

FILE LOCATION:C:\Civil 3D Projects\QT198\dwg\02-0198 Civil.dwg TAB NAME:Grading PDP USER:owner SAVED:9/12/2013 8:52 AM PLOTTED:9/12/2013 9:12 AM



STORM SEWER LEGEND

ST	STORM PIPE (< 10" NEW)
CD	BACK OF CURB DRAIN
	STORM PIPE (> 12" NEW)
	STORM PIPE (> 12" EXISTING)
XXX	MAJOR CONTOUR (NEW)
XXX	MINOR CONTOUR (NEW)
XXX	MAJOR CONTOUR (EXISTING)
XXX	MINOR CONTOUR (EXISTING)
	STORM GRATE (NEW)

MISCELLANEOUS STORM NOTES:

1. GAS CANOPY INSTALLER SHALL INSTALL THE CANOPY COLUMN DRAIN PIPE AND OVERFLOW FITTING. THE STORM WATER INSTALLER SHALL CONNECT THEIR PIPING TO THE GAS INSTALLER'S OVERFLOW FITTING.
2. REFER TO SHEET C540 FOR BACK OF CURB DRAIN DETAILS.
3. PRIVATE STORM SEWER PIPE AND TRENCHING SHALL CONFORM TO CONTRACT SPECIFICATIONS.
4. REFER TO SHEETS C540-C541 FOR STORM SEWER CONSTRUCTION DETAILS.
5. REFER TO SHEETS C121 FOR STORM SEWER PROFILES.
6. PRIOR TO THE CONSTRUCTION OF, OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, OR ANY OTHER ELEVATION SENSITIVE UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTIONS AND ALL UTILITY CROSSINGS. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF A DESIGN CONFLICT.
7. CARE MUST BE TAKEN WHEN INSTALLING THE BUILDING ROOF DRAINAGE SYSTEMS TO AVOID SANITARY SEWER CONFLICTS AT CROSSINGS.
8. STORM SEWER STRUCTURES ON-GRADE ARE TO MATCH GRADE. ELEVATION CALLOUTS ARE TO CENTER OF STRUCTURE. STRUCTURES ON GRADE ARE TO BE CAST IN PLACE AS NECESSARY.
9. ENLARGED STRUCTURE WIDTHS ARE TO EXPAND TO THE BACK OF THE STRUCTURE, NOT THE FRONT. STAKING OF THE STRUCTURE SHOULD BE TO THE INSIDE FRONT FACE OF THE STRUCTURE. (RE: F11-C540)
10. SLOTTED VANE DRAIN ACROSS PLATTE CLAY WAY ACCESS DRIVE SHALL BE NEENAH R3599-A (NO APPROVED EQUAL). REFER TO DRAINAGE DETAILS (C540-C541).
11. REFER TO A1-C501 FOR STORM SEWER PIPE WALL PENETRATION DETAILS WITHIN THE DETENTION BASIN.

PROPOSED DRAINAGE AREA COMPUTATIONS

DA #	Area (SF)	Area (Acre)	Total Area Pervious (C=0.30)	Total Area Impervious (C=0.90)	Total Weighted Runoff Coeff (C)	Peak Discharge 1-yr (100%) Q(1) cfs (i=4.4)	Peak Discharge 10-yr (10%) Q(10) cfs (i=7.3)	Peak Discharge 25-yr (4%) Q(25) cfs (i=8.5,K=1.1)	Peak Discharge 100-yr Q(100) (1%) cfs (i=10.3,K=1.25)
1	6,224	0.1429	0	6,224	0.90	0.57	0.94	1.20	1.66
2	11,045	0.2536	813	10,232	0.86	0.96	1.59	2.04	2.81
3	9,312	0.2138	0	9,312	0.90	0.85	1.40	1.80	2.48
4	30,968	0.7109	1,668	29,300	0.87	2.72	4.51	5.78	7.96
5	5,368	0.1232	897	4,471	0.80	0.43	0.72	0.92	1.27
6	512	0.0118	0	512	0.90	0.05	0.08	0.10	0.14
7	3,374	0.0775	25	3,349	0.90	0.31	0.51	0.65	0.90
8	8,669	0.1990	8,669	0	0.30	0.26	0.44	0.56	0.77
9	16,969	0.3896	1,950	15,019	0.83	1.42	2.36	3.02	4.16

PROJECT NO.: QT0198

DARLA K HOLMAN, PE

HOLMAN ENGINEERING
14005 W 72ND TERR
SHAWNEE, KS 66216
P 913.248.9385
F 913.962.5974
dkholmanpe@everestkc.net

QuikTrip No. 0198

Missouri Route 92 & Star Drive
Kearney, Missouri

© COPYRIGHT QUIKTRIP CORPORATION 2011
ANY UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION, OR SALE IN WHOLE OR IN PART, IS STRICTLY FORBIDDEN.

PROTOTYPE: P-76 (8/01/13)
DIVISION: 02
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: DKH
REVIEWED BY: DKC

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 09/12/2013

SHEET TITLE:
STORM SEWER PLAN

SHEET NUMBER:
C120

FILE LOCATION:C:\Civil 3D Projects\QT198\dwg\02-0198 Civil.dwg TAB NAME:Storm USER:owner SAVED:9/12/2013 8:52 AM PLOTTED:9/12/2013 9:11 AM